

Title (en)
Rubber compositions containing polyether

Title (de)
Polyether enthaltende Kautschukmischungen

Title (fr)
Compositions de caoutchouc contenant un polyéther

Publication
EP 1134253 B1 20050112 (DE)

Application
EP 01104521 A 20010302

Priority
DE 10012407 A 20000315

Abstract (en)
[origin: EP1134253A1] Rubber mixtures contain 0.05-25 pts.wt. (w.r.t 100 pts.wt. total rubber) of a polyether, 1-500 pts.wt. filler and optionally other processing aids and/or cross-linking agents. Rubber mixtures (I) contain 0.05-25 pts.wt. (w.r.t 100 pts.wt. total rubber) of a polyether (II) of formula (1), 1-500 pts.wt. filler and optionally other processing aids and/or cross-linking agents. R<1>, R<2> = H or 1-4C alkyl; R<3>, R<4> = H, 1-6C alkyl; R<5>, R<6> = H, 1-18C alkyl or 7-22 C alkylaryl or arylalkyl, -CH₂OH, -CHR<4>-(-O-CHR<1>-CHR<2>)m-OH whereby at least one of R<5>, R<6>=1-18C alkyl, 7-22C alkylaryl or arylalkyl; m, n = 1 - 10.

IPC 1-7
C08K 5/06; **C08L 21/00**

IPC 8 full level
C08K 5/06 (2006.01); **C08L 21/00** (2006.01)

CPC (source: EP US)
C08K 5/06 (2013.01 - EP US); **C08L 7/00** (2013.01 - EP US); **C08L 9/00** (2013.01 - EP US); **C08L 9/06** (2013.01 - EP US); **C08L 21/00** (2013.01 - EP US); **C08L 71/00** (2013.01 - EP US); **C08L 2205/035** (2013.01 - EP US); **Y02T 10/86** (2013.01 - EP US)

Cited by
CN103596772A; EP2376556A4; EP1277791A1; WO2010049356A1; EP2671727A1; WO2013182610A2; EP2517899A1; WO2012146759A1; EP2684912A1; WO2014009373A1; EP2671726A1; WO2013182594A2; EP2517898A1; WO2012146755A1; WO2012146762A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1134253 A1 20010919; **EP 1134253 B1 20050112**; CA 2340797 A1 20010915; CA 2340797 C 20091020; DE 10012407 A1 20010920; DE 50105044 D1 20050217; JP 2001261890 A 20010926; JP 5072143 B2 20121114; US 2001031822 A1 20011018; US 6521684 B2 20030218

DOCDB simple family (application)
EP 01104521 A 20010302; CA 2340797 A 20010312; DE 10012407 A 20000315; DE 50105044 T 20010302; JP 2001072007 A 20010314; US 80188501 A 20010308